

CLAIMS

What is claimed is:

- 5 1. A method for billing for telephone services, said method comprising:

responsive to receiving a call request, identifying and loading a caller billing plan for an authenticated identity of a caller making said call request and a callee billing plan for an
10 authenticated identity of a callee answering said call request; and

responsive to detecting a billable service with said call request, distributing a cost of said billable service among said
15 caller billing plan and said callee billing plan, such that both said caller and said callee pay for a benefit received from said billable service.

- 20 2. The method for billing for telephone services according to claim 1, wherein said billable service comprises at least one from among a long distance service, a collect calling service, and a wireless telephone service.

- 25 3. The method for billing for telephone services according to claim 1, further comprising:

receiving said call request from an origin device at a service provider from an origin line number utilized by said
30 origin device;

loading a profile for a line subscriber of said origin line number, wherein said profile comprises a billing plan for said line subscriber;

extending a dial tone to said origin device;

5 authenticating said identity of said caller utilizing said
origin device;

10 loading said caller billing plan according to said
authenticated identity to replace said billing plan for said line
subscriber;

loading a profile for a destination line subscriber of a
requested destination line number, wherein said profile comprises
a billing plan for said destination line subscriber;

15 extending a ring signal to a destination device via said
destination line number;

responsive to detecting an answer at said destination
device, authenticating said identity fo said callee utilizing
20 said destination device; and

loading said callee billing plan according to said
authenticated identity to replace said billing plan for said
destination line subscriber.

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4. The method for billing for telephone services according to
claim 1, wherein said authenticated identity of said caller is
authenticated according to a voice utterance provided by said
caller.

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5. The method for billing for telephone services according to
claim 1, wherein said authenticated identity of said callee is
authenticated according to a voice utterance provided by said
callee.

6. The method for billing for telephone services according to claim 1, wherein authenticating an identity of a caller further comprises:

5 initiating authentication of said identity of said caller and said callee at an origin device, wherein said origin device is enabled to initiate said call request.

7. The method for billing for telephone services according to claim 1, wherein authenticating an identity of a caller further comprises:

10 initiating authentication of said identity of said caller and said callee at an intermediary device processing said call Request.

8. The method for billing for telephone services according to claim 1, wherein authenticating an identity of a caller further comprises:

15 initiating authentication of said identity of said caller and said callee at a destination device, wherein said destination device is enabled to receive said call request.

9. The method for billing for telephone services according to claim 1, further comprising:

20 switching said call request from a first service provider associated with said caller billing plan to a second service provider associated with said callee billing plan.

10. The method for billing for telephone services according to claim 1, wherein said caller is also a line subscriber of a line number utilized by said caller to make said call request.

11. The method for billing for telephone services according to claim 1, wherein said caller is different from a line subscriber

of a line number utilized by said caller to make said call request.

12. The method for billing for telephone services according to claim 1, wherein said callee is also a line subscriber of a line number utilized by said callee to receive said call request.

13. The method for billing for telephone services according to claim 1, wherein said callee is different from a line subscriber of a line number utilized by said callee to receive said call request.

14. The method for billing for telephone services according to claim 1, further comprising:

extending a request to said caller to elect to pay for a portion of said cost of said billable service; and

billing said caller billing plan according to said payment election.

15. The method for billing for telephone services according to claim 1, further comprising:

extending a request to said callee to elect to pay for a portion of said cost of said billable service; and

billing said callee billing plan according to said payment election.

16. The method for billing for telephone services according to claim 1, further comprising:

distributing said cost of said billable service evenly

between said caller billing plan and said callee billing plan.

17. The method for billing for telephone services according to claim 1, further comprising:

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distributing said cost of said billable service to each of said caller billing plan and said callee billing plan according to actual percentage use by each of said caller and said callee.

10 18. A system for billing for telephone services, said system comprising:

a network controller;

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means responsive to receiving a call request, for identifying and loading a caller billing plan for an authenticated identity of a caller making said call request and a callee billing plan for an authenticated identity of a callee answering said call request at said network controller; and

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means responsive to detecting a billable service with said call request, for distributing a cost of said billable service among said caller billing plan and said callee billing plan.

25 19. The system for billing for telephone services according to claim 18, wherein said billable service comprises at least one from among a long distance service, a collect calling service, and a wireless telephone service.

30 20. The system for billing for telephone services according to claim 18, further comprising:

means for receiving said call request from an origin device at a service provider from an origin line number utilized by said

origin device;

means for loading a profile for a line subscriber of said
origin line number, wherein said profile comprises a billing plan
5 for said line subscriber;

means for extending a dial tone to said origin device;

means for authenticating said identity of said caller
10 utilizing said origin device;

means for loading said caller billing plan according to said
authenticated identity to replace said billing plan for said line
subscriber;

means for loading a profile for a destination line
subscriber of a requested destination line number, wherein said
profile comprises a billing plan for said destination line
subscriber;

means for extending a ring signal to a destination device
via said destination line number;

means responsive to detecting an answer at said destination
25 device, for authenticating said identity fo said callee utilizing
said destination device; and

means for loading said callee billing plan according to said
authenticated identity to replace said billing plan for said
30 destination line subscriber.

21. The system for billing for telephone services according to
claim 18, wherein said authenticated identity of said caller is
authenticated according to a voice utterance provided by said

caller.

22. The system for billing for telephone services according to claim 18, wherein said authenticated identity of said callee is
5 authenticated according to a voice utterance provided by said callee.

23. The system for billing for telephone services according to claim 18, wherein said means for authenticating an identity of a
10 caller further comprises:

means for initiating authentication of said identity of said caller and said callee at an origin device, wherein said origin device is enabled to initiate said call request.

24. The system for billing for telephone services according to claim 18, wherein said means for authenticating an identity of a caller further comprises:

means for initiating authentication of said identity of said caller and said callee at an intermediary device processing said call request.

25. The system for billing for telephone services according to claim 18, wherein said means for authenticating an identity of a
25 caller further comprises:

means for initiating authentication of said identity of said caller and said callee at a destination device, wherein said
30 destination device is enabled to receive said call request.

26. The system for billing for telephone services according to claim 18, further comprising:

means for switching said call request from a first service provider associated with said caller billing plan to a second service provider associated with said callee billing plan.

5 27. The system for billing for telephone services according to claim 18, wherein said caller is also a line subscriber of a line number utilized by said caller to make said call request.

10 28. The system for billing for telephone services according to claim 18, wherein said caller is different from a line subscriber of a line number utilized by said caller to make said call request.

15 29. The system for billing for telephone services according to claim 18, wherein said callee is also a line subscriber of a line number utilized by said callee to receive said call request.

20 30. The system for billing for telephone services according to claim 18, wherein said callee is different from a line subscriber of a line number utilized by said callee to receive said call request.

25 31. The system for billing for telephone services according to claim 18, further comprising:

means for extending a request to said caller to elect to pay for a portion of said cost of said billable service; and

30 means for billing said caller billing plan according to said payment election.

32. The system for billing for telephone services according to claim 18, further comprising:

means for extending a request to said callee to elect to pay for a portion of said cost of said billable service; and

means for billing said callee billing plan according to said
5 payment election.

33. The system for billing for telephone services according to claim 18, further comprising:

10 means for distributing said cost of said billable service evenly between said caller billing plan and said callee billing plan.

34. The system for billing for telephone services according to claim 18, further comprising:

15 means for distributing said cost of said billable service to each of said caller billing plan and said callee billing plan according to actual percentage use by each of said caller and
20 said callee.

35. A computer program product for billing for telephone services, said computer program product comprising:

25 a recording medium;

means, recorded on said recording medium, for identifying and loading a caller billing plan for an authenticated identity of a caller making a call request and a callee billing plan for
30 an authenticated identity of a callee answering said call request; and

means, recorded on said recording medium, for distributing a cost of a billable service for said call request among said

caller billing plan and said callee billing plan.

36. The computer program product for billing for telephone services according to claim 35, further comprising:

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means, recorded on said recording medium, for receiving said call request from an origin device at a service provider from an origin line number utilized by said origin device;

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means, recorded on said recording medium, for loading a profile for a line subscriber of said origin line number, wherein said profile comprises a billing plan for said line subscriber;

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means, recorded on said recording medium, for extending a dial tone to said origin device;

means, recorded on said recording medium, for authenticating said identity of said caller utilizing said origin device;

means, recorded on said recording medium, for loading said caller billing plan according to said authenticated identity to replace said billing plan for said line subscriber;

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means, recorded on said recording medium, for loading a profile for a destination line subscriber of a requested destination line number, wherein said profile comprises a billing plan for said destination line subscriber;

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means, recorded on said recording medium, for extending a ring signal to a destination device via said destination line number;

means, recorded on said recording medium, for authenticating said identity of said callee utilizing said destination device;

and

means, recorded on said recording medium, for loading said
callee billing plan according to said authenticated identity to
5 replace said billing plan for said destination line subscriber.

37. The computer program product for billing for telephone
services according to claim 35, further comprising:

10 means, recorded on said recording medium, for initiating
authentication of said identity of said caller and said callee at
an origin device, wherein said origin device is enabled to
initiate said call request.

15 38. The computer program product for billing for telephone
services according to claim 35, further comprising:

means, recorded on said recording medium, for initiating
authentication of said identity of said caller and said callee at
20 an intermediary device processing said call request.

39. The computer program product for billing for telephone
services according to claim 35, further comprising:

25 means, recorded on said recording medium, for initiating
authentication of said identity of said caller and said callee at
a destination device, wherein said destination device is enabled
to receive said call request.

30 40. The computer program product for billing for telephone
services according to claim 35, further comprising:

means, recorded on said recording medium, for switching said
call request from a first service provider associated with said

caller billing plan to a second service provider associated with said callee billing plan.

41. The computer program product for billing for telephone
5 services according to claim 35, further comprising:

means, recorded on said recording medium, for extending a request to said caller to elect to pay for a portion of said cost of said billable service; and

10 means, recorded on said recording medium, for billing said caller billing plan according to said payment election.

42. The computer program product for billing for telephone
15 services according to claim 35, further comprising:

means, recorded on said recording medium, for extending a request to said callee to elect to pay for a portion of said cost of said billable service; and

20 means, recorded on said recording medium, for billing said callee billing plan according to said payment election.

43. The computer program product for billing for telephone
25 services according to claim 35, further comprising:

means, recorded on said recording medium, for distributing said cost of said billable service evenly between said caller billing plan and said callee billing plan.

30 44. The computer program product for billing for telephone services according to claim 35, further comprising:

means, recorded on said recording medium, for distributing

Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
Population	1,000,000	1,050,000	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	1,350,000	1,400,000	1,450,000	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	1,750,000	1,800,000	1,850,000	1,900,000	1,950,000	2,000,000	2,050,000	2,100,000	2,150,000	2,200,000	2,250,000	2,300,000	2,350,000	2,400,000	2,450,000	2,500,000	2,550,000	2,600,000	2,650,000	2,700,000	2,750,000	2,800,000	2,850,000	2,900,000	2,950,000	3,000,000	3,050,000	3,100,000	3,150,000	3,200,000	3,250,000	3,300,000	3,350,000	3,400,000	3,450,000	3,500,000	3,550,000	3,600,000	3,650,000	3,700,000	3,750,000	3,800,000	3,850,000	3,900,000	3,950,000	4,000,000	4,050,000	4,100,000	4,150,000	4,200,000	4,250,000	4,300,000	4,350,000	4,400,000	4,450,000	4,500,000	4,550,000	4,600,000	4,650,000	4,700,000	4,750,000	4,800,000	4,850,000	4,900,000	4,950,000	5,000,000	5,050,000	5,100,000	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	5,400,000	5,450,000	5,500,000	5,550,000	5,600,000	5,650,000	5,700,000	5,750,000	5,800,000	5,850,000	5,900,000	5,950,000	6,000,000	6,050,000	6,100,000	6,150,000	6,200,000	6,250,000	6,300,000	6,350,000	6,400,000	6,450,000	6,500,000	6,550,000	6,600,000	6,650,000	6,700,000	6,750,000	6,800,000	6,850,000	6,900,000	6,950,000	7,000,000	7,050,000	7,100,000	7,150,000	7,200,000	7,250,000	7,300,000	7,350,000	7,400,000	7,450,000	7,500,000	7,550,000	7,600,000	7,650,000	7,700,000	7,750,000	7,80																																																																